

Patent Abstracts of Japan

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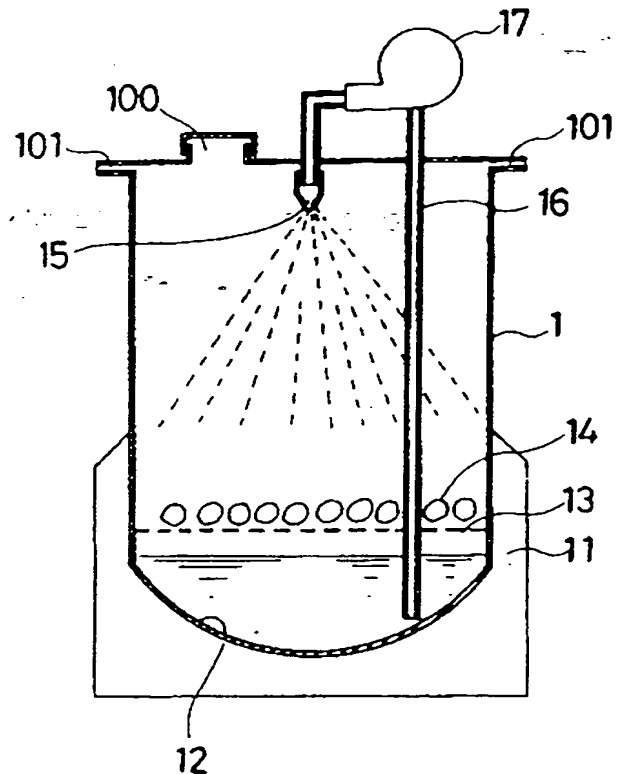
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TITLE : METHOD AND APPARATUS FOR
VAPOR-PHASE CULTIVATION OF
VEGETABLE TISSUE



ABSTRACT : **PURPOSE:** To enable the mass-culture of vegetable tissue, by inoculating vegetable tissues on a perforated plate placed in the vapor-phase in a sterilized culture tank, and supplying a culture liquid adjusted to a specific culture temperature to the vegetable tissue on the perforation plate.

CONSTITUTION: Culture liquid is charged to the culture liquid container 12 at the bottom of the culture tank 1; a perforated plate 13 such as stainless steel mesh, etc. is placed in the vapor-phase above the liquid; and the inside of the culture tank 1 is sterilized. The temperature in the culture tank 1 and the culture liquid is adjusted to the culture temperature of the inoculating vegetable tissue by passing water through the jacket 11. A vegetable tissue 14 is inoculated through the implantation port 100 on the perforated plate 13, and the culture liquid in the container 12 is sprayed through the nozzle 15 to the vegetable tissue 14 on the perforated plate 13 by operating the circulation pump 17. The circulation is continued for a definite time interval to effect the smooth proliferation of the vegetable tissue 14.

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